

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

Listing of Claims:

1. – 10. (Cancelled).

11. (Currently Amended) A method for forming a holographic diffraction grating on a substrate comprising the steps of:

- a) applying a curable compound to at least a portion of the substrate;
- b) contacting at least a portion of the curable compound with diffraction grating forming means;
- c) curing the curable compound and
- d) depositing a translucent metallic ink on at least a portion of the cured compound, wherein ~~the optical density of metallic ink when deposited is in the range of 0.2 to 0.8 the translucent metallic ink has a thickness when deposited on a substrate which permits a transmission of light therethrough.~~

12. – 19. (Cancelled).

20. (Currently Amended) The method as claimed in claim 19, wherein the ~~percentage of~~ light transmission as a percentage is at least 30%.

21. – 22. (Cancelled).

23. (Currently Amended) The method as claimed in claim [[19]]11, wherein the ~~optical density of translucent~~ metallic ink has an optical density when deposited [[is]] in the range of light transmission.

24. (Currently Amended) The method as claimed in claim 23, wherein the optical density is in [[the]] a range of 0.2 to 0.8 as measured by a Macbeth densitometer.

25. – 35. (Cancelled).

36. (Previously Presented) The method as claimed in claim 11, wherein the curable composition is a lacquer.

37. (Cancelled).

38. (Currently Amended) The method as claimed in claim [[11]]36, wherein the curable lacquer is cured by means of an ultraviolet (U.V.) light ~~or an electron beam~~.

39. – 52. (Cancelled).

53. (Previously Presented) A hologram obtained using the method of claim 11.

54. (Currently Amended) The method as claimed in claim 11, wherein the translucent metallic ink comprises metal pigment particles and a binder.

55. (Currently Amended) The method as claimed in claim 54, wherein the metal pigment particles ~~comprise any one or more~~ are selected from the group ~~comprising~~ consisting of aluminium, stainless steel, nichrome, gold, silver, platinum and copper.

56. (Currently Amended) The method as claimed in claim [[11]]54, wherein the thickness of metal pigment particles [[is]] have a thickness in the range of 100 to 500 angstroms.

57. (Currently Amended) The method as claimed in claim [[11]]54, wherein the thickness of metal pigment particles [[is]] have a thickness in the range of 190 to 210 angstroms.

58. (Previously Presented) The method as claimed in claim 11, wherein the substrate is translucent.

59. (Previously Presented) The method as claimed in claim 11, wherein in step d), depositing is by printing.

60. (Currently Amended) The method as claimed in claim 58, wherein the substrate has a first surface and a second surface, and wherein step d), the grating is viewable from both the first and second surfaces.

61. (Previously Presented) The method as claimed in claim 11, wherein the substrate has a first surface, and is opaque, wherein in step d), the grating is viewable from the first surface.

62. (Previously Presented) The method as claimed in claim 59, wherein in step d), depositing is by Gravure printing.

63. (New) The method as claimed in claim 36, wherein the curable lacquer is cured by means of an electron beam.

64. (New) A method for forming a holographic diffraction grating on a substrate comprising the steps of:

- a) applying a curable compound to at least a portion of the substrate;
- b) contacting at least a portion of the curable compound with diffraction grating forming means;
- c) curing the curable compound; and
- d) depositing a translucent metallic ink on at least a portion of the cured compound, wherein the translucent metallic ink comprises metal pigment particles wherein the metal pigment particles have a thickness in the range of 100 to 500 angstroms.

65. (New) The method according to claim 64, wherein the metal pigment particles have a thickness in the range of 100 to 210 angstroms.

66. (New) An inline method for forming a holographic diffraction grating on a substrate comprising the steps of:

- a) applying a curable compound to at least a portion of the substrate;
- b) contacting at least a portion of the curable compound with diffraction grating forming means;
- c) curing the curable compound; and
- d) depositing a translucent metallic ink on at least a portion of the cured compound.